



US006499417B2

(12) **United States Patent**  
**Oliver et al.**

(10) **Patent No.:** **US 6,499,417 B2**  
(45) **Date of Patent:** **Dec. 31, 2002**

(54) **TORPEDO MOUNTED DISPENSER FOR A COIL OF FLEX HOSE AND CONTROL WIRE**

3,703,874 A • 11/1972 Lemieux ..... 114/21 R  
4,165,876 A • 8/1979 Pasqualini .. 273/105.3  
5,385,109 A • 1/1995 Hrycin et al. .. 114/238

(75) **Inventors:** Stephen F. Oliver, Portsmouth, RI (US); Stanley J. Olson, Newport, RI (US)

\* cited by examiner

(73) **Assignee:** The United States of America as represented by the Secretary of the Navy, Washington, DC (US)

*Primary Examiner*—Michael Carone

*Assistant Examiner*—H. A. Blackner

(74) *Attorney, Agent, or Firm*—Michael J. McGowan;

James M. Kasischke; Michael F. Oglo

(\*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 19 days.

(57) **ABSTRACT**

(21) **Appl. No.:** 09/785,996

(22) **Filed:** Feb. 20, 2001

(65) **Prior Publication Data**

US 2002/0112656 A1 Aug. 22, 2002

(51) **Int. Cl.<sup>7</sup>** ..... F41F 3/10

(52) **U.S. Cl.** ..... 114/238; 114/21.1; 114/21.2

(58) **Field of Search** ..... 114/20.1, 21.1, 114/21.2, 238, 246, 253; 89/1.81, 1.816; 244/3.12

A torpedo mounted dispenser for a coil of flex hose and control wire includes a rigid shell round in widthwise cross section, and a circular shock mount disposed centrally of the shell, the shell and the shock mount defining an annular chamber therebetween. Hooks are mounted on an exterior wall of the shell. Slots are defined by the shell, each slot being proximate one of the hooks. A retainer ring is disposed in the chamber. Retainer loops each extend at least partly around the retainer ring, through one of the slots, and is attached to one of the hooks. The coil of flex hose and control wire is disposed in the chamber and is movable lengthwise through the retainer ring while uncoiling and paying out from the dispenser.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

3,265,023 A • 8/1966 Hollingsworth ..... 114/20.1

**6 Claims, 6 Drawing Sheets**

